Substitute for form 1449A/PTO
INFORMATION DISCLOSURE Complete d Knawn **Application Number** 10/787,067 STATEMENT BY APPLICANT **Filing Date** February 25, 2004 **First Named Inventor** Graves, Scott **Group Art Unit** 1642 **Examiner Name** Unknown TRADE! Attorney Docket No: 295.061US4 Sheet 1 of 7

		US PATENT DO	DCUMENTS
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
DB	4,237,224	12/02/1980	Cohen et al.
l	4,399,216	08/16/1983	Axel et al.
	4,468,464	08/28/1984	Cohen et al.
	4,634,665	01/06/1987	Axel et al.
	4,656,134	04/07/1987	Ringold
	4,740,470	04/26/1988	Cohen et al.
	4,816,397	03/28/1889	Boss et al.
	4,816,567	03/28/1989	Cabilly et al.
	4,870,023	09/26/1989	Fraser et al.
	4,879,236	11/07/1989	Smith et al.
	4,946,778	08/07/1990	Ladner et al.
	4,975,369	12/04/1990	Beavers et al.
	5,015,580	05/14/1991	Christou et al.
	5,041,379	08/20/1991	Fraser et al.
	5,071,748	12/10/1991	Miller
	5,077,214	12/31/1991	Guarino et al.
	5,084,396	01/28/1992	Morgan et al.
	5,091,513	02/25/1992	Huston et al.
	5,110,729	05/05/1992	Maeda et al.
	5,120,657	06/09/1992	McCabe et al.
·	5,122,458	06/16/1992	Post et al.
	5,132,405	07/21/1992	Huston et al.
	5,147,788	09/15/1992	Page et al.
	5,149,655	09/22/1992	McCabe et al.
	5,155,037	10/13/1992	Summers
	5,162,222	11/10/1992	Guarino et al.
- 1.	5,169,784	12/08/1992	Summers et al.
	5,169,939	12/08/1992	Gefter et al.
	5,179,007	01/12/1993	Jarvis et al.
	5,179,017	01/12/1993	Axel et al.
	5,185,254	02/09/1993	Linnenbach,
	5,202,422	04/13/1993	Hiatt et al.
	5,225,539	07/06/1993	Winter
	5,260,203	11/09/1993	Ladner et al.
	5,266,314	11/30/1993	Maeda
	5,304,489	04/19/1994	Rosen
	5.322.774	06/21/1994	Peakman et al.
	5,348,886	09/20/1994	Lee et al.
	5,348,887	09/20/1994	Bumol et al.
DB	5,349,053	09/20/1994	Landolfi

EXAMINER

/David Blanchard/

DATE CONSIDERED

PCC 25.12 CPC CCC-CCC CPCC CPCC 15.21 Agrandians of consequence CCC-CCC CPC CPCC 15.21 Agrandians of consequence of consequence of cpcc

Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/787,067 STATEMENT BY APPLICANT
(Uso as many sheets as necessary) **Filing Date** February 25, 2004 **First Named Inventor** Graves, Scott **Group Art Unit** 1642 JAN 3 1 2005 **Examiner Name** Unknown Attorney Docket No: 295.061US4 Sheet 2 of 7

		US PATENT DO	DCUMENTS
Examiner USP Document Number Publication Date Name of Patentee or Applicant of cited Document Initial *			Name of Patentee or Applicant of cited Document
DB	5,385,839	01/31/1995	Stinski
	5,405,779	04/11/1995	McCabe et al.
	5,413,923	05/09/1995	Kucherlapati et al.
	5,422,281	06/06/1995	Harris et al.
	5,434,340	07/18/1995	Krimpenfort et al.
	5,443,953	08/22/1995	Hansen et al.
	5,464,764	11/07/1995	Capecci et al.
	5,476,786	12/19/1995	Huston
	5,487,992	01/30/1996	Capecchi et al.
	5,503,998	04/02/1996	Christou et al.
	5,506,125	04/09/1996	McCabe et al.
	5,525,510	06/11/1996	McCabe et al.
	5,530,101	06/25/1996	Queen et al.
	5,545,403	08/13/1996	Page
	5,545,404	08/13/1996	Page
	5,545,405	08/13/1996	Page
	5,545,806	08/13/1996	Lonberg et al.
··· i	5,569,825	10/29/1996	Lonberg et al.
	5,578,287	11/26/1996	Theodore et al.
	5,584,807	12/17/1996	McCabe
	5,585,089	12/17/1996	Queen et al.
	5,585,097	12/17/1996	Bolt et al.
\/	5,624,821	04/29/1997	Winter et al.
V	5,639,947	06/17/1997	Hiatt et al.
DB	5,869,620	02/09/1999	Whitlow et al.

	FOREIGI	N PATENT DOCUMENTS	
Examiner Initials*	Foreign Document No	Publication Date	Τ ²
DB	CA 1316852	04/27/1993	
i i	EP 0 045 809	08/19/1987	
	EP 0 120 694	07/21/1993	
	EP 0 125 023	06/05/1991	
	EP 0 173 552	03/05/1986	
	EP 0 239 400	09/30/1987	
	EP 0 260 148	03/16/1988	
	EP 0 319 206	06/07/1989	
	EP 0 328 404	09/29/1993	
	EP 0 338 841	10/25/1989	
V	EP 0 393 045	03/29/1995	
DB	EP 0 411 893	02/06/1991	

EXAMINER

/David Blanchard/

DATE CONSIDERED 01/19/2007

Appending the appropriate and a control of the cont

Substitute for form 1449A/PTO	Complete of Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/787,067	
use as many sheets as necessary,	Filing Date	February 25, 2004	
	First Named Inventor	Graves, Scott	
	Group Art Unit	1642	
	Examiner Name	Unknown	
Sheet 3 of 7	Attorney Docket No: 2	95.061US4	

		PATENT DOCUMENTS
Examiner Initials*	Foreign Document No	Publication Date T ²
DB	EP 0 451 216	01/24/1996
L	EP 0 460 167	10/11/1995
	EP 0 520 962	12/30/1992
	EP 0 578 515	01/12/1994
	EP 0 592 106	04/13/1994
	EP 0 614 982	09/14/1994
	EP 0 682 040	11/15/1995
	EP 0 699 755	03/06/1996
	GB 2188638	10/07/1987
	WO 84/03712	09/27/1984
	WO 86/01533	03/13/1986
	WO 86/02097	04/10/1986
	WO 86/05807	10/09/1986
	WO 87/04462	07/30/1987
	WO 88/01649	03/10/1988
	WO 88/06630	09/07/1988
	WO 89/01036	02/09/1989
	WO 89/09825	10/19/1989
	WO 89/10404	11/02/1989
	WO 90/04036	04/19/1990
	WO 90/10457	09/20/1990
	WO 91/06320	05/16/1991
	WO 91/06657	05/16/1991
	WO 91/09967	07/11/1991
·	WO 92/04381	03/19/1992
	WO 92/11018	07/09/1992
	WO 92/15683	09/17/1992
	WO 92/22653	12/23/1992
	WO 93/08300	04/29/1993
	WO 93/11238	06/10/1993
	WO 93/12246	06/24/1993
	WO 93/16185	08/19/1993
	WO 93/17105	09/02/1993
	WO 93/22332	11/11/1993
	WO 93/22442	11/11/1993
	WO 93/23537	11/25/1993
	WO 93/25240	12/23/1993
	WO 94/04679	03/03/1994
1/	WO 94/09131	04/28/1994
Ψ	WO 94/12625	06/09/1994
DB	WO 94/22902	10/13/1994

EXAMINER

/David Blanchard/

DATE CONSIDERED

Substitute for form 1449APTO	Complete if Known	Complete if Knawn		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/787,067		
(Use as many sheats as necessary)	Filing Date	February 25, 2004		
	First Named Inventor	Graves, Scott		
	Group Art Unit	1642		
	Examiner Name	Unknown		
Sheet 4 of 7	Attorney Docket No: 2	295.061US4		

Examiner Initials*	Foreign Document No	Publication Date	T.
DB	WO 94/29451	12/22/1994	
	WO 95/08577	03/30/1995	
	WO 95/15335	06/08/1995	
	WO 95/15341	06/08/1995	
	WO 95/15769	06/15/1995	
	WO 95/20672	08/03/1995	WPI Acc. No. 95-275457
	WO 95/25167	09/21/1995	
\/	WO 96/05228	02/22/1996	
V	WO 96/11013	04/18/1996	
DB	WO 96/27011	09/06/1996	

		AND THE PARTY OF T
		OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS
Exam		include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine,
initia	IIS"	Journal, sertal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. ABRAHAM, "The Influence of Periodate Oxidation on Monoclonal Antibody Avidity and
D.	В	
<u> </u>		Immunoreactivity", Journal of Immunological Methods, 144, 77-86 (1991).
	!	BETTER, "Escherichia Coli Secretion of an Active Chimeric Antibody FragmentT", Science, 240,
	 	1041-1043 (1988).
		BREKKE et al., "The Structural Requirements for Complement Activation by IgC: Does it Hinge
		on the Hinge?", Immunology Today, 16, 85-90 (1995).
		BRUGGEMANN et al., "Comparison of the Effector Functions of Human Immunoglobulins Using
L		a Matched Set of Chimeric Antibodies", J. Exp. Med., 166, 1351-1361 (1987).
		CANFIELD et al., "The Binding Affinity of Human IgG for its High Affinity Fc Receptor is
	l	Determined by Multiple Amino Acids in the Ch2 Domain and is Modulated by the Hinge Region",
		J. Exp. Med., 173, 1483-1491 (1991).
		CARON et al., "Biological and Immunological Features of Humanized M195 (anti-CD33)
]		Monoclonal Antibodies", Cancer Research, 52, 6761-6767 (1992).
		CO et al., "Genetically Engineered Deglycosylation of the Variable Domain Increases the Affinity
		of an Anti-CD 33 Monoclonal Antibody", Molecular Immunology, 30, 1361-1367 (1993).
		COUTO et al., "Cloning of cDNAS Encoding the Variable Domains of Antibody KC4G3 and
	ł	Construction of a Chimeric Antibody", Hybridoma, 12, 485-489 (1993).
		DAVIS et al., "Glycosylation Governs the Binding of Antipeptide Antibodies to Regions of
i '		Hypervariable Amino Acid Sequence Within Recombinant GP120 of Human Immodeficiency
		Virus Type 1", Journal of General Virology, 71, 2889-2898 (1990).
		DORAI et al., "Aglycosylated Chimeric Mouse/Human IgG1 Antibody Retains Some Effector
1		Functions", <u>Hybridoma, 10,</u> 211-217 (1991).
		DUNCAN et al., "The Binding Site for C1q on IgG", Nature, 332, 738-740 (1988).
	† ──	DWEK et al., "Glycobiology: The Function of Sugar in the IgG Molecule", The Journal of
\	/	Anatomy, 187, 279-292 (1995).
 	₩	ENDO et al., "Glycosylation of the Variable Region of Immunoglobulin G Site Specific Maturation
l D	B	of the Sugar Chains", Molecular Immunology, 32, 931-940 (1995).
		of the dager different , indicades internationally at, but one (1000).

/David Blanchard/ **EXAMINER**

DATE CONSIDERED

Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/787,067	
Use as many sheets as necossary)	Filing Date	February 25, 2004	
i	First Named Inventor	Graves, Scott	
:	Group Art Unit	1642	
	Examiner Name	Unknown	
Sheet 5 of 7	Attorney Docket No: 2	295.061US4	

Examiner include name of the author (in CAPITAL LETTERS), title of the article type includes and include name of the author (in CAPITAL LETTERS), title of the article type includes and includes a support of the includes and in			OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS
DB GEYSEN et al., "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid", PNAS, 81, 3988-4002 (1984). GOSHORN, "Preclinical Development of huNR-LU-10, a Humanized Antibody for Tumor Targeting", Immunotechnology, 2, 300 (1996). GREENMAN et al., "The Use of Intracellular Single-Chain Antibody Fragments to Inhibit Specifically the Expression of Cell Surface Molecules", Journal of Immunological Methods, 194, 169-180 (1996). GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl., 1), S3-S10 (1986). HEYMAN et al., "CTO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl., 1), S3-S10 (1986). HEYMAN et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Moleculer Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Moleculer", Juman Constant Region Domains", Immunology, 88, 169-173 (1996). MCCLOSKEY et a			Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine,
a Single Amino Acid", PNAS, 81, 3988-4002 (1984). GOSHORN, "Preclinical Development of huNR-LU-10, a Humanized Antibody for Tumor Targeting", Immunotechnology, 2, 300 (1986). GREENMAN et at., "The Use of Intracellular Single-Chain Antibody Fragments to Inhibit Specifically the Expression of Cell Surface Molecules", Journal of Immunological Methods, 194, 169-180 (1996). GREENSPAN et at., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "Co 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), 53-S10 (1986). HEYMAN et al., "Co 17-1A end Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), 53-S10 (1986). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemial/ymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclasses", Immunolog			GFYSFN et al. "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of
GOSHORN, "Preclinical Development of huNR-LU-10, a Humanized Antibody for Tumor Targeting", Immunotechnology, 2, 300 (1996). GREENMAN et al., "The Use of Intracellular Single-Chain Antibody Fragments to Inhibit Specifically the Expression of Cell Surface Molecules", Journal of Immunological Methods, 194, 169-180 (1996). GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodiess: Their Production and Characterization", Hybridoma, 5(Suppl. 1), 53-510 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 80-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunology, 88, 189-173 (1996). MCCLOSKEY et al.	DE	3	a Single Amino Acid", PNAS, 81, 3998-4002 (1984).
Targeting", Immunotechnology, 2, 300 (1996). GREENMAN et al., "The Use of Intracellular Single-Chain Antibody Fragments to Inhibit Specifically the Expression of Cell Surface Molecules", Journal of Immunological Methods, 194, 169-180 (1996). GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Dectycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 806-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv. Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunology, 88, 169-173 (1996). MCCLOSKEY et al., "The NTErminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Nec			GOSHORN, "Preclinical Development of huNR-LU-10, a Humanized Antibody for Tumor
Specifically the Expression of Cell Surface Molecules", <u>Journal of Immunological Methods</u> , 194, 169-180 (1996). GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", <u>Nature Biotechnology</u> , 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", <u>Cancer Immunology Immunotherapy</u> , 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", <u>Hybridoma</u> , 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", <u>The Journal of Immunology</u> , 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", <u>Bioconjugate Chem.</u> , 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", <u>Adv Protein Chem.</u> , 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, LeukemiarLymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", <u>Trends in Biotechnology</u> , 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody	{		Targeting", Immunotechnology, 2, 300 (1996).
169-180 (1996). GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human Beflucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclassess", Immunology, 88, 169-173 (1996). MORRISON et			GREENMAN et al., "The Use of Intracellular Single-Chain Antibody Fragments to Inhibit
GREENSPAN et al., "Defining Epitopes: It's Not as Easy as it Seems", Nature Biotechnology, 17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl., 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody L12", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORRISON et al., "Chimeric Hu			
17, 936-937 (1999). HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "The N-Terminal End of the CH2 Domain of Chimeric Human Ges Anti-HLA-DR is Necessar			169-180 (1996).
HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1995). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Dectycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internatizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric Human for the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and Fcyrl Il Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "In vitro Antibodies:			
mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165- 174 (1992). HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)- Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORRISON et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "In vitro Antibodies: Strateg			HAND et al., "Comparative Biological Properties of a Recombinant Chimeric Anti-Carcinoma
HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem. 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRll Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984).			mAb and a Recombinant Aglycosylated Variant", Cancer Immunology Immunotherapy, 35, 165-
Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994). HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984).			174 (1992).
HERLYN et al., "CO 17-1A and Related Monoclonal Antibodies: Their Production and Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORRISON et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984).			HELFRICH et al., "Epitope Mapping of SCLC-Cluster-2 Mabs and Generation of Antibodies
Characterization", Hybridoma, 5(Suppl. 1), S3-S10 (1986). HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Dectycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			Directed Against New EGP-2 Epitopes", Int. J. Cancer Suppl., 8, 64-69 (1994).
HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			
Immunosuppression", The Journal of Immunology, 134, 4018-4023 (1985). HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem., 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and Fcyrll Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			Characterization ⁶ , Hybridoma, 5(Suppl. 1), S3-S10 (1986).
HOUBA et al., "Improved Characteristics of a Human B-Glucuronidase-Antibody Conjugate After Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			HEYMAN et al., "Carbohydrate Chains on IgG2b: A Requirement for Efficient Feedback
Declycosylation for Use in Antibody-Directed Enzyme Prodrug Therapy", Bioconjugate Chem., 7, 606-611 (1996). KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			Immunosuppression", The Journal of Immunology, 134, 4016-4025 (1965).
KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		l	HOUBA et al., "Improved Characteristics of a number B-Gluculonidase-Antibody Conjugate Arter Declared for Line in Antibody Directed Engage Product Therapy" Ricconjugate Chem. 7
KABAT, "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978). LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			
LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2", International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		┢─	KABAT "The Structural Basis of Antibody Complementary", Adv Protein Chem, 32, 1-75 (1978).
International Journal of Cancer, Supplement, 8, 60-63 (1994). LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		t	LEIJ et al., "SCLC-Cluster-2 Antibodies Detect the Pancarcinoma/Epithelial Glycoprotein EGP-2",
LEUNG et al., "Construction and Characterization of a Humanized, Internalizing, B-Cell (CD22)-Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			International Journal of Cancer, Supplement, 8, 60-63 (1994).
Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995). LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		LEUNG et al., "Construction and Characterization of a Humanized, Internalizing	
Molecule", The Journal of Cell Biology, 125, 437-446 (1994). LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			Specific, Leukemia/Lymphoma Antibody LL2", Molecular Immunology, 32, 1413-1427 (1995).
LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			LITVINOV et al., "Ep-CAM: A Human Epithelial Antigen Is a Homophilic Cell-Cell Adhesion
Human/Mouse and Mouse Subclass Immunoglobulin", Molecular Immunology, 30, 741-748 (1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", Trends in Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.	ļ <u> </u>	ļ	Molecule", The Journal of Cell Biology, 125, 437-446 (1994).
(1993). MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", <u>Trends in Biotechnology</u> , 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", <u>Immunology</u> , 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", <u>Immunology</u> , 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", <u>PNAS</u> , 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", <u>Annu. Rev.</u>		1	LUND et al., "Control of IgG/Fc Glycosylation: A Comparision of Oligosaccarides From Chimeric
MA et al., "Immunotherapeutic Potential of Antibodies Produced in Plants", <u>Trends in Biotechnology</u> , 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", <u>Immunology</u> , 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", <u>Immunology</u> , 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", <u>PNAS</u> , 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", <u>Annu. Rev.</u>	ļ	l	
Biotechnology, 13, 522-527 (1995). MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and FcyrI and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		├ ──	(1993).
MCCLOSKEY et al., "Human Constant Regions Influence the Antibody Binding Characteristics of Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and FcyrI and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.	: !		
Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996). MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and FcyrI and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.	 	 	MCCI OSKEY et al. "Human Constant Regions Influence the Antibody Binding Characteristics of
MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR is Necessary for C1q, FcyR1 and Fcyrl and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.	j	1	Mouse-Human Chimeric IgG Subclasses", Immunology, 88, 169-173 (1996).
is Necessary for C1q, FcyR1 and FcyrI and FcyRIII Binding", Immunology, 86, 319-324 (1995). MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.		T	MORGAN et al., "The N-Terminal End of the CH2 Domain of Chimeric Human IgG: Anti-HLA-DR
MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.			is Necessary for C1q, FcyR1 and FcyrI and FcyRIII Binding", Immunology, 86, 319-324 (1995).
Human Constant Region Domains", PNAS, 81, 6851-6855 (1984). MORRISON et al., "In vitro Antibodies: Strategies for Production and Application", Annu. Rev.	•	1	MORRISON et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with
	`	<u> </u>	Human Constant Region Domains", PNAS, 81, 6851-6855 (1984).
<u>ו lmmunol., 10,</u> 239-265 (1992).		.D	
		שי	<u>Immunol., 10, 239-265 (1992).</u>

/David Blanchard/

EXAMINER

DATE CONSIDERED

PTG 52 22A, 13-31; Approved for uno through 10:31 2302 01:305-07:31; Person A Trackersh Office U.O. GEPARTICAT OF COURSE 2013

Substitute for form 1449A/PTO	Complete d Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/787,067	
(Use as many sheets as necessary)	Filing Date	February 25, 2004	
	First Named Inventor	Graves, Scott	
	Group Art Unit	1642	
	Examiner Name	Unknown	
Sheet 6 of 7	Attorney Docket No: 2	295.061US4	

OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS Include name of the author (GAPITA LETRERS), tills of the auticle (when apportate), tills of the tiem (book, magazine, journal, serial, symposium, eatalog, etc.), date, page(s), volume-issue number(s), publisher, (tily and/or country where published. MURAOKA et al., "Structural Requirements for IgM Assembly and Cytolytic Activity", The Journal of Immunology, 142, 695-701 (1989). NISHIMURA et al., "Recombinant Human-Mouse Chimeric Monoclonal Antibodoy Specific for Common Acute Lymphocytic Leukemia Antigen", Cancer Research, 47, 999-1005 (1987). NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 30, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoconal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TACHIBANA et al., "Identifi		
DB MURADKA et al., "Structural Requirements for IgM Assembly and Cytolytic Activity", The Journal of Immunology, 142, 695-701 (1989). NISHIMURA et al., "Recombinant Human-Mouse Chimeric Monoclonal Antibody Specific for Common Acute Lymphocytic Leukemia Antigen", Cancer Research, 47, 999-1005 (1987). NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1987). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992). STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Rhenium-186-Labele	·	
of Immunology, 142, 695-701 (1989). NISHIMURA et al., "Recombinant Human-Mouse Chimeric Monoclonal Antiobody Specific for Common Acute Lymphocytic Leukemia Antigen", Cancer Research, 47, 999-1005 (1987). NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992). STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG -Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Compon		journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
NISHIMURA et al., "Recombinant Human-Mouse Chimeric Monoclonal Antiobody Specific for Common Acute Lymphocytic Leukemia Antigen", Cancer Research, 47, 999-1005 (1987). NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen CA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the	פת	
Common Acute Lymphocytic Leukemia Antigen", Cancer Research, 47, 999-1005 (1987). NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarionma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZAL a et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Rhenium-186-Labeled	פע	
NOSE et al., "Biological Significance of Carbohydrate Chains on Monoclonal Antibodies", PNAS, 80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Milid Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Renium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity R		
80, 6632-6636 (1983). PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992). STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-188-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10"		
PEAKE et al., "Does Non-Enzymatic Glycosylation Affect Complement Function in Diabetes?", Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74		
Diabetes Research, 11, 109-114 (1989). PLUCKTHUN et al., "New Protein Engineering Approaches to Multivalent and Bispecific Antibody Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992). STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAO et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10"	——	
Fragments", Immunotechnology, 3, 83-105 (1997). POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992). STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-13: Pharmacokinetics, on the Binding of C1g", The Journal of		<u>Diabetes Research, 11, 109-114 (1989).</u>
POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte Respiratory Burst", Molecular Immunology, 30, 233-241 (1993). RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Rhenium-186-Labeled Chimeric Antibody R-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Ch		
RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989). SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		POUND et al., "Aglycosylated Chimaeric Human IgG3 Can Trigger the Human Phagocyte
SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		Respiratory Burst", Molecular Immunology, 30, 233-241 (1993).
Responsible for Triggering Antibody Dependent Cellular Cytotoxicity (ADCC) Through Different Types of Human Foy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		RODWELL et al., "Engineering Monoclonal Antibodies", Nature, 342, 99-100 (1989).
Types of Human Fcy Receptor", Molecular Immunology, 29, 633-639 (1992) STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).	'	SARMAY et al., "Mapping and Comparison of the Interaction Sites on the Fc Region of IgG
STRNAD et al., "Molecular Cloning and Characterization of a Human Adenocarcinoma/Epithelial Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		
Cell Surface Antigen Complementary DNA", Cancer Research, 49, 314-317 (1989). SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		
SZALA et al., "Molecular Cloning of cDNA for the Carcinoma-Associated Antigen GA733-2", PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1g", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		
PNAS, 87, 3542-3546 (1990). TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).		
TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of Human Monoclonal Antibody Specific to Lung Adenocarcinoma", Biochimica et Biophysica Acta, 1182, 257-263 (1993). TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		TACHIBANA et al., "Identification of Hybrid-Type Carbohydrate Chains on the Light Chain of
TAMS et al., "Mild Chemical Deglycosylation of Horseradish Peroxidase Yields a Fully Active, Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	i	
Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995). TAO et al., "Studies of Aglycosylated Chimeric Mouse-Human IgG - Role of Carbohydrate in the Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	 	
Structure and Effector Functions Mediated by the Human IgG Constant Region", The Journal of Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		Homogeneous Enzyme", Analytical Biochemistry, 228, 48-55 (1995).
Immunology, 143, 2595-2601 (1989). TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
TAO et al., "The Differential Ability of Human IgG1 AND IgG4 to Activate Complement is Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
Determined by the COOH-Terminal Sequence of the Ch2 Domain", J. Exp. Med., 173, 1025-1028 (1991). TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	ı	
TAYLOR et al., "Altered Glycosylation and Selected Mutation in Recombinant Human Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	1	
Complement Component C9: Effects on Haemolytic Activity", Immunology, 83, 501-506 (1994). VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
VERHOEYEN et al., "Engineering of Antibodies", BioAssays, 8, 74-78 (1988). WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
WEIDEN et al., "Rhenium-186-Labeled Chimeric Antibody NR-LU-13: Pharmacokinetics, Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", J Nucl Med, 34, 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	-	
Biodistribution and Immunogenicity Relative to Murine Analog NR-LU-10", <u>J Nucl Med, 34,</u> 2111-2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", <u>GlycoNews Second, 94</u> ,		
2119 (1993). WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	1	
WINKELHAKE et al., "Effects of pH Treatments and Deglycosylation of Rabbit Immunoglobulin G on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,		
on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980). WOOF et al., "The Role of Glycosylation in Antibody Effector Function", GlycoNews Second, 94,	\ \ \	
	\underline{V}	on the Binding of C1q", The Journal of Biological Chemistry, 255, 2822-2828 (1980).
^{DB} 1-4 (1994).	פת	
	שע	1-4 (1994).

EXAMINER /David Blanchard/

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE	Complete II Known		
STATEMENT BY APPLICANT	Application Number	10/787,067	
Use as many sheets as necessary)	Filing Date	February 25, 2004	
	First Named Inventor	Graves, Scott	
	Group Art Unit	1642	
	Examiner Name	Unknown	
Sheet 7 of 7	Attorney Docket No: 295.061US4		

	OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS
Examiner initials*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
DB	XIA et al., "Efficient Complement-Mediated Lysis of Cells Containing the Campath-1 (CDw52) Antigen", Molecular Immunology, 30, 1089-1096 (1993).
DB	XIA et al., "Structure of the CAMPATH-1 Antigen, a Glycosylphosphatidylinositol-Anchored Glycoprotein Which is an Exceptionally Good Target for Complement Lysis", <u>Biochemical Journal</u> , 293, 633-640 (1993).
DB	YOSHIDA et al., "Mutants of Dictyostelium Discoideum With Altered Carbohydrate Moieties of Contact Site A", Cell Structure and Function, 16, 383-390 (1991).

PTO/SB/06A(10-0)
Approved for use through 10/31/2002, OMB 651-003

Substitute for form 1449APTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Users) many sheets as necessary)

Application Number

Filing Date

First Named Inventor

Graves, Scott

Group Art Unit

1642

Examiner Name

Unknown

Attorney Docket No: 295.061US4

	US PATENT DOCUMENTS					
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate		
DB	2003/0119078	06/26/2003	Graves et al.	01/24/2002		
DB	6,358,710	03/19/2002	Graves et al.	06/09/1997		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	1 Publication Date 1				
DB	EP 0 173 177	03/05/1986	Abstract Only		

Initials' journal, serial, symposlum, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS				
ALBERTS et al., "Molecular Biology of the Cell", Third Edition, Garland Press, New York, NY, 606-608 (1994). BENVENUTO et al., "Phytoantibodies": a general vector for the expression of immunoglobulin domains in transgenic plants", Plant Molecular Biology, 17, 865-874 (1991). BHATIA et al., "Protein glycosylation: Implications for in vivo functions and therapeutic applications", Advances in Biochemical Engineering / Biotechnology, 64, 155-201 (1999). BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
BENVENUTO et al., ""Phytoantibodies": a general vector for the expression of immunoglobulin domains in transgenic plants", Plant Molecular Biology, 17, 865-874 (1991). BHATIA et al., "Protein glycosylation: Implications for in vivo functions and therapeutic applications", Advances in Biochemical Engineering / Biotechnology, 64, 155-201 (1999). BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	וח.	R	ALBERTS et al., "Molecular Biology of the Cell", Third Edition, Garland Press, New York, NY,				
domains in transgenic plants", Plant Molecular Biology, 17, 865-874 (1991). BHATIA et al., "Protein glycosylation: Implications for in vivo functions and therapeutic applications", Advances in Biochemical Engineering / Biotechnology, 64, 155-201 (1999). BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, 3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
BHATIA et al., "Protein glycosylation: Implications for in vivo functions and therapeutic applications", Advances in Biochemical Engineering / Biotechnology, 64, 155-201 (1999). BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, 3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
applications", Advances in Biochemical Engineering / Biotechnology, 64, 155-201 (1999). BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, 3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	1						
BOLT et al., "The generation of a humanized, non-mitogenic CD3 monoclonal antibody which retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, 3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	·						
retains in vitro immunosuppressive properties", Eur. J. Immunol., 23, 403-411 (1993). BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
BUCKEL et al., "Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
creatine-kinase-specific monoclonal antibody", Gene, 51, 13-19 (1987). CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
CUELLO et al., "Detection of substance P in the central nervous system by a monoclonal antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	li						
antibody", PNAS, 76, ,3532-3536 (1979). DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
DE NEVE et al., "Assembly of an antibody and its derived antibody fragment in Nicotiana and Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	1 1						
Arabidopsis", Transgenic Research, 2, 227-237 (1993). DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990). FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			Arabidopsis", Transgenic Research, 2, 227-237 (1993).				
FIREK et al., "Secretion of a functional single-chain Fv protein in transgenic tobacco plants and cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			DURING et al., "Synthesis and self-assembly of a functional monoclonal antibody in transgenic				
cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			Nicotiana tabacum", Plant Molecular Biology, 15, 281-293 (1990).				
cell suspension cultures", Plant Molecular Biology, 23, 861-870 (1993). GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			FIREK et al., "Secretion of a functional single-chain Fy protein in transgenic tobacco plants and				
asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).							
asparagine-linked glycans with the human cDNA encoding N-acetylglucosaminyltransferase I.", PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).			GOMEZ et al., "Complementation of an Arabidopsis thaliana mutant that lacks complex				
PNAS, 91, 1829-1833 (1994). HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).	'						
Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-1363 (1992).		İ					
1363 (1992).			HAN et al., "Possible Relationship Between Coding Recognition Amino Acid Sequence Motif or				
1363 (1992).]	1	Residue(s) and Post-Translational Chemical Modification of Proteins", Int. J. Biochem., 24, 1349-				
HART et al., "Chapter 10. O-Linked N-Acetylglucosamine: The "Yin-Yang" of Ser/Thr			HART et al., "Chapter 10. O-Linked N-Acetylglucosamine: The "Yin-Yang" of Ser/Thr				
Phosphorylation?", In: Glycoimmunology, Plenum Press, New York, 115-123 (1995).							
HEIN et al., "Evaluation of immunoglobulins from plant cells", Biotechnol. Prog., 7, 455-461	1	1	HEIN et al., "Evaluation of immunoglobulins from plant cells", Biotechnol. Prog., 7, 455-461				
V (1991).	_ \	V					
DB HESSE et al., "Molecular Cloning and Structural Analysis of a Gene from Zea Mays (L.) Coding	D	B	HESSE et al., "Molecular Cloning and Structural Analysis of a Gene from Zea Mays (L.) Coding				
for a Putative Receptor for the Plant Hormone Auxin", The EMBO Journal, 8, 2453-2461 (1989).		_					

EXAMINER

DATE CONSIDERED

PTO/SB/08A(10-01)
Approved for use through 10/31/2002, OM8 651-0031
Peters & Trademark Office: U.S. DEPARTMENT OF CONJUSCIONAL

Substitute for form 1449A/PTO	Under the Peparwork Reduction Act of 1995, no paraons are required to respond to a collection of Information unless 4 contains a valid OMB control number Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number	10/787,067	
	Filing Date	February 25, 2004	
	First Named Inventor	Graves, Scott	
	Group Art Unit	1642	
	Examiner Name Unknown		
Sheet 2 of 3	Attorney Docket No: 295.061US4		

DB	HIATT et al., "Production of antibodies in transgenic plants", Nature, 342, 76-78 (1989).	
1	HOUNSELL et al., "O-linked protein glycosylation structure and function", Glycoconjugate	<u>e</u>
	Journal, 13, 19-26 (1996).	
	HUGHES et al., "Capillary Electrophoretic Examination of Underivatized O-Linked and N	-Linked
	Oligosaccharide Mixtures and Immunoglobulin G Antibody-Released Oligosaccharide Lit	oraries",
	Journal of Chromatography B, 657, 315-326 (1994).	
	ISAACS et al., "Therapy with Monoclonal Antibodies - An in vivo Model for the Assessment	ent of
	Therapeutic Potential", The Journal of Immunology, 148, 3062-3071 (1992).	
	JEFFERIS et al., "Molecular Definition of Interaction Sites on Human IgG for Fc Recepto	rs
	(huFcvR)", Molecular Immunology, 27, 1237-1240 (1990).	
	JENKINS et al., "Glycosylation of recombinant proteins: problems and prospects", Enzyn	n <u>e</u>
	Microb, Technol., 16, 354-364 (1994).	
	JONES et al., "Replacing the Complementarity-Determining Regions in a Human Antibo	dy With
1 1	Those of a Mouse", Nature, 321, 522-525 (1986).	
	KABIR et al., "The Binding of Jacalin With Rabbit Immunoglobulin G", Immunological	
	Investigations, 24, 725-735 (1995).	
	KUMPEL et al., "Galactosylation of human IgG monoclonal anti-D produced by EBV-tran	sfcrmed
	B-lymphoblastoid cell lines is dependent on culture method and affects Fc receptor-med	iated
	functional activity", Hum Antibodies Hybridomas, 5, 143-151 (1994).	
	KUWANO et al., "Glycosylation mutations of serine/threonine-linked oligosaccharides in	low-
	density lipoprotein receptor: indispensable roles of O-glycosylation", Journal of Cell Scie	<u>nce, 98,</u>
	131-134 (1991).	
	LARRICK et al., "Recombinant antibodies", Hum. Antibod. Hybridomas, 2, 172-189 (199	1).
	LEBECQUE et al., "Immunologic Characterization of Monoclonal Antibodies that Modula	r Human
	IgE Binding to the Major Birch Pollen Allergen Bet v1", The Journal of Allergy and Clinica	<u>al</u>
1	Immunology, 99, 15 pages (1997).	
	LECOMMANDEUR et al., "Glycan Research on Barley, Maize, Oats, and Sorghum Gra	in Alpha-
	Amylases: Comparision with Rice alpha-Amylase", Archives of Biochemistry and Biophy	sics,
	<u>278</u> , 245-250 (1990).	
	LEIBIGER et al., "Variable domain-linked oligosaccharides of a human monoclonal IgG:	structure
	and influence on antigen binding", <u>Biochemical Journal</u> , 338, 529-538 (1999).	
	LEROUGE et al., "N-Glycosylation of Recombinant Pharamaceutical Glycoproteins Proc	luced in
	Transgenic Plants: Towards an Humanisation of Plant N-Glycans", Current Pharmaceut	lical
	Biotechnology, 1, 347-354 (2000).	
	MA et al., "Assembly of monoclonal antibodies with IgG1 and IgA heavy chain domains	ın
	transgenic tobacco plants", Eur. J. Immunol., 24, 131-138 (1994).	10.710
+	MA et al., "Generation and assembly of secretory antibodies in plants", <u>Science, 268, 79</u> (1995).	16-719
	MESA et al., "Interferon-gamma receptor extracellular domain-lgG fusion protein produc	ed in
\	/ Chinese hamster ovary cells as mixture of glycoforms", Journal of Interferon and Cytokir	<u>1e</u>
\	Research, 15, 309-315 (1995).	
-	OWEN at al. "Symthosis of a functional anti-phytochrome single-chain Ev protein in tran	sgenic
D	tobacco", Biotechnology, 10, 790-794 (1992).	

EXAMINER

· EXAMINER: Initial if refer

/David Blanchard/

DATE CONSIDERED

PTO/SB/08A(10-01
Approved for use through 10/31/2002, OMB 651-003

Substitute for form 1449APTO	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheels as necessary)	Application Number	10/787,067	
	Filing Date	February 25, 2004	
	First Named Inventor	Graves, Scott	
	Group Art Unit	1642	
	Examiner Name Unknown		
Sheet 3 of 3	Attorney Docket No: 295.061US4		

DB	ROUTLEDGE et al., "A humanized monovalent CD3 antibody which can activate homologous
1 .	complement", Eur. J. Immunol., 21, 2717-2725 (1991).
	ROUTLEDGE et al., "The Effect of Aglycosylation on the Immunogenicity of a Humanized
	Therapeutic CD3 Monoclonal Antibody", <u>Transplantation</u> , 60, 847-853 (1995).
	RUSSELL, "Feasibility of antibody production in plants for human therapeutic use", <u>Curr Top</u> Microbiol Immunol., 240, 119-138 (1999).
	STOGER et al., "Plantibodies: applications, advantages and bottlenecks", <u>Current Opinion in</u> Biotechnology, 13, 161-166 (2002).
	SWAIN, "Antibodies in plants", <u>TIBTECH, 9,</u> 107-109 (1991).
	TAKAHASHI et al., "Structure of human immunoglobulin gamma genes: implications for evolution of a gene family", Cell, 29, 671-679 (1982).
	TALWAR, "Fertility Regulating and Immunotherapeutic Vaccines Reaching Human Trials Stage", Human Reproduction Update, 3, 301-310 (1997).
	TANIMOTO et al., "Restricted Expression of an Early Myeloid and Monocytic Cell Surface Antigen Defined by Monoclonal Antibody M195", Leukemia, 3, 339-348 (1989).
	TAVLADORAKI et al., "Transgenic plants expressing a functional single-chain Fv antibody are specifically protected from virus attack", Nature, 366, 469-472 (1993).
	VAN ENGELEN et al., "Coordinate Expression of Antibody Subunit Genes Yields High Levels of Functional Antibodies in Roots of Transgenic Tobacco", <u>Plant Molecular Biology</u> , 26, 1701-1710 (1994).
	VERHOEYEN et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity", Science, 239, 1534-1536 (1988).
	VON SCHAEWEN et al., "Isolation of a mutant Arabidopsis plant that lacks N-acetyl glucosaminyl transferase I and is unable to synthesize Golgi-modified complex N-linked glycans", Plant Physiol., 102, 1109-1118 (1993).
	WILSON, "Glycosylation of proteins in plants and invertebrates", <u>Current Opinion in Structural</u> Biology, 12, 569-577 (2002).
	WORMALD et al., "Variations in oligosaccharide-protein interactions in immunoglobulin G determine the site-specific glycosylation profiles and modulate the dynamic motion of the Fc oligosaccharides", Biochemistry, 36, 1370-1380 (1997).
	WRIGHT et al., "Effect of altered CH2-associated carbohydrate structure on the functional properties and in vivo fate of chimeric mouse-human immunoglobulin G1", <u>J. Exp. Med., 180,</u> 1087-1096 (1994).
DB	YOUINGS et al., "Site-Specific Glycosylation of Human Immunoglobulin G is Altered in Four Rheumatoid Arthristis Patients", <u>Biochem. J., 314,</u> 621-630 (1996).

PTC/SB/08A(10-01)
Approved for use through 19/31/2002, CMB 651-0031

Substitute for form 1449A/PTO INFORMATION DISCLOSURE	Complete il Known		
STATEMENT BY ADDITIONS	Application Number	10/787,067	
(Use as plant sheets as necessary)	Filing Date	February 25, 2004	
A Mari	First Named Inventor	Graves, Scott	
(MAR 0 9 2006 B)	Group Art Unit	1642	
Sheer MADE MET	Examiner Name	Unknown	
	Attorney Docket No: 295.061US4		

	US PATENT DOCUMENTS				
Examiner USP Document Number Publication Name of Patentee or Applicant of cited Document Initial Date Initial Publication Date Oate Publication Name of Patentee or Applicant of cited Document If Appropriate					
DB	US-2005/0100545A1	05/12/2005	Graves, S. S., et al.	07/31/2003	

ANC US SOOR Substitution form 1449A/PTO
INFORMATION DISCLOSURE **Application Number** 10/787,067 TEMENT BY APPLICANT February 25, 2004 e as many sheets as necessary) **Filing Date First Named Inventor** Graves, Scott 1643 **Group Art Unit Examiner Name** Blanchard, David Attorney Docket No: 295.061US4 Sheet 1 of 1

US PATENT DOCUMENTS					
Examiner USP Document Number Publication Name of Patentee or Applicant of cited Document If Iling Date If Appropriate					
DB	US-5,714,350	02/03/1998	Co, M. S., et al.	01/13/1995	
DB	US-5,856,106	01/05/1999	Awwad, M. G., et al.	11/01/1995	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²		
DB	WO-93/19196A1	09/30/1993	Bolt, S. L., et al.			

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
DB		GOLDENBERG, D. M., "New Developments in Monoclonal Antibodies for Cancer Detection and Therapy", CA: A Cancer Journal for Clinicians, 44(1), (1994), 43-64	
DB		WEITZHANDLER, M., et al., "Analysis of Carbohydrates on IgG Preparations", Journal of Pharmaceutical Sciences 83(12), (December, 1994), 1670-1675	

/David Blanchard/

DATE CONSIDERED